

Amendments to the Claims

Claim 1 (Currently Amended) A projection display device comprising:

a white light source;

a condensing means for condensing light emitted from the white light source to form a condensed spot on a color wheel including a plurality of color filters having respective colors;

a color selection means for selectively passing through light of each color band of the light of the condensed spot, in a predetermined order, by rotating the color wheel;

an illumination means for condensing the light which has passed through the color selection means;

a spatial light modulator for modulating the light ~~from the illumination means incident thereon which has passed through the color selection means~~;

a projection means for projecting the light modulated by the spatial light modulator onto a screen; and

~~a shading means having an opening which is disposed at one of an incident side of the color selection means and an output side of the color selection means; and for, when a size of the condensed spot on the color wheel has increased due to an increase in light emission of the white light source, shading a portion of the light passing through the color wheel corresponding to the increased size of the condensed spot~~

~~a spatial light modulator driving means for driving the spatial light modulator to display black during a period in which light which has passed through the opening has passed through two adjacent color filters and contains two colors.~~

Claim 2 (Currently Amended) The projection display device of Claim 1, wherein

~~the shading means comprises a diaphragm having ~~the~~ an opening of a predetermined size, through which the incident light is passed, and a width of the opening of the diaphragm with respect to a rotational direction of the color wheel is set to be equal to or smaller than a diameter of ~~the~~ a condensed spot which is formed on the color wheel at an initial use of the white light source.~~

Claim 3 (Previously Presented) The projection display device of Claim 1, wherein
the shading means has a light passing part, and a size of the light passing part varies
according to a wavelength of the light which has passed through the color selection means.

Claim 4 (Previously Presented) The projection display device of Claim 1, wherein
the shading means has a light passing part, and
the projection display device further comprises a light elimination means for partially
eliminating light of a specific wavelength band, from the light which is incident on the light
passing part of the shading means.

Claim 5 (Previously Presented) The projection display device of Claim 1, wherein
the shading means is placed on an emission side of the color selection means.

Claim 6 (Previously Presented) The projection display device of Claim 1, wherein
the shading means is placed at a 5 mm or smaller air gap apart from the color selection
means.

Claim 7 (Previously Presented) The projection display device of Claim 1, wherein
the white light source is an extra-high pressure mercury lamp.

Claim 8 (Previously Presented) The projection display device of Claim 1, wherein
the condensing means is an ellipsoidal mirror.

Claim 9 (Previously Presented) The projection display device of Claim 8, wherein
the color selection means has a light passing surface or a light reflecting surface located
in a vicinity of a long focus of the ellipsoidal mirror.

Claim 10 (Previously Presented) The projection display device of Claim 1, wherein
a plane that is orthogonal to an optical axis of the shading means is approximately
circular in cross section.

Claim 11 (Previously Presented) The projection display device of Claim 10, wherein the shading means is approximately columnar.

Claim 12 (Previously Presented) The projection display device of Claim 10, wherein the shading means is approximately conical.

Claim 13 (Previously Presented) The projection display device of Claim 1, wherein each of the plurality of color filters is fan-shaped.